53

| Sl No | Description of work | Unit | No | | Dimensions | | | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | N1 | N2 | L | B | D | | | |
| 44 | Providing & finishing external walls in two coats over one coat of 100 % acrylic silcon glazed primer with Antifungal paint for top coat of Approved brand and shade to give an even shade after thourghly brooming the surfacefe to remove all dirt and loose powdered material, free from morter drops and and other foreign matter , cost of materails , labour, complete as per specifications | | | | | | | | | |
| | (P.No.125, I.No.15.104 of PW,P & IWTD S.R 2016-17) | | | | | | | | | |
| | **Ground floor** | Sqmt | | | | | | | | |
| | For Extra Miscellaneous Qty | | | 1 | 18 | -- | 3.300 | 59.40 | | |
| | Security House | | | 1 | 20 | -- | 3.300 | 66.00 | | |
| | Total Wall | | | 1 | 60 | -- | 3.300 | 198.00 | | |
| | | | | | | | | 323.40 | | |
| | **Deductions** | | | | | | | | | |
| | **Security House** | | | | | | | | | |
| | Main Door | | | 1 | 1 | -- | 2.100 | 2.10 | | |
| | Room Door | | | 1 | 0.9 | -- | 2.100 | 1.89 | | |
| | Windows | | | 3 | 0.9 | -- | 1.200 | 3.24 | | |
| | Ventilator | | | 1 | 0.6 | -- | 0.600 | 0.36 | | |
| | **For Office** | | | | | | | | | |
| | Main doors | | 0.5 | 2 | 1 | --- | 2.100 | 2.10 | | |
| | Toilet Ventilators | | 0.5 | 2 | 0.6 | --- | 0.600 | 0.36 | | |
| | Window | | 0.5 | 5 | 0.9 | --- | 1.200 | 2.70 | | |
| | Window-1 | | 0.5 | 1 | 1.7 | --- | 1.200 | 1.02 | | |
| | | | | | | | | 13.77 | | |
| | | | | | | | | **323.40** | | |
| | | | | | | | Say | **324.00** | 163.08 | 52837.92 |
| | **First Floor** | | | | | | | | | |
| | Office Out sidewalls | | | 1 | 55 | -- | 3.300 | 181.50 | | |
| | | | | | | | | **181.50** | | |
| | **Deductions** | | | | | | | | | |
| | Main doors | | 0.5 | 2 | 1.2 | -- | 1.159 | 1.39 | | |
| | Toilet Doors | | 0.5 | 2 | 0.75 | -- | 0.725 | 0.54 | | |
| | Ventilator | | 0.5 | 2 | 0.75 | -- | 0.207 | 0.16 | | |
| | Ventilator @ beam bottom | | 0.5 | 2 | 0.75 | -- | 0.207 | 0.16 | | |
| | | | | | | | | 2.24 | | |
| | | | | | | | Total | **179.26** | | |
| | | | | | | | Say | **180.00** | 166.32 | 29937.60 |
| | **Terrace floor** | | | | | | | | | |
| | Parapet wall | | | 1.00 | 55.00 | -- | 2.200 | 121.00 | | |
| | | | | | | | Total | **121.00** | 169.56 | 20516.76 |
| 45 | Providing **Melamine polishing of approved shade** including removing and refixing of doors shutters scraping with blade and rubbing with zero size sand paper and applying sealer coat by way of spraying with necessary compressor and applying patty after rubbing with steel wool including two coats of approved shade of Melamine polish etc., complete. | | | | | | | | | |
| | (P.No.124, I.No. 15.96 of PW,P & IWTD S.R 2016-17) | | | | | | | | | |
| | **Main Door** | | | | | | | | | |
| | Door Frames in Rmt | | | 2 | 4.40 | | 0.500 | 4.40 | | |
| | Shutters | | 2 | 2 | 1.2 | | 2.100 | 10.08 | | |
| | | | | | | | | 14.48 | | |
| | | | | | | | Say | 14.50 | 778.68 | 11290.86 |
| 46 | KSRB 15-17.4 : Applying priming coat over new wood surface and / or wood based surface, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specificationsProviding and applying painting two coats (excluding priming coat ) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications | | | | | | | | | |
| | (P.No.109, I.No.15.59 & 15.60.1 of PW, P&IWTD SR 2016-17) | | | | | | | | | |
| | Ground floor | | | | | | | | | |
| | 1 BHK Main door | | 2 | 1 | 1 | -- | 2.100 | 4.20 | | |
| | 1 BHK Room door | | 2 | 1 | 0.9 | -- | 2.100 | 3.78 | | |
| | First Floor | | | | | | | | | |
| | Ante Room door | | 2 | 1 | 0.75 | -- | 2.100 | 3.15 | | |
| | | | | | | | Total | **11.13** | | |
| | | | | | | | Say | **11.20** | 135.00 | 1512.00 |

| Sl No | Description of work | Unit | No | | Dimensions | | | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | N1 | N2 | L | B | D | | | |
| 47 | Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification | | | | | | | | | |
| | (KPWD 2016-17 - Item No. - 10.5.1, Page No. 67 ) | | | | | | | | | |
| | On First Floor roof | | | 1 | 165.00 | -- | -- | 165.00 | | |
| | On Security house Roof | | | 1 | 4.90 | -- | 5.100 | 24.99 | | |
| | | | | | | Total | | 189.99 | | |
| | | | | | | | Say | 190.00 | 637.20 | 121068.00 |
| 48 | Providing and fixing Stainless steel 304 Grade for staircase railing, Balconys Ramps with hand rails 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges etc., complete as per specification | | | | | | | | | |
| | (P.No.43 I.No.7.38 of PW,P & IWTD S.R 2016-17) | | | | | | | | | |
| | For Front Staircase | Sqmtr | | 1 | 15.00 | -- | 1.000 | 15.00 | | |
| | | | | | | Total | | 15.00 | 6638.76 | 99581.40 |
| 49 | KSRB 8.7-1 :Providing and fixing in position 12mm thick plaster of paris ( Gypsum anhydrous ) for ceiling reinforced with hessian cloth flat surface upto a height of 5 m above floor level over aluminium 25mm / 6mm with 10mm gap in between and reinforced with rabbit wire mesh fixed to metal frames including cost of materials, labour, curing complete as per specifications. | | | | | | | | | |
| | (KPWD SR 2016-17 - Item No. - 8.24 & 8.25, Page No. 48 ) | | | | | | | | | |
| | **Ground Floor** | Sqmt | | | | | | | | |
| | Left Side Part | | | 1 | 35.00 | --- | 1.000 | 35.00 | | |
| | Right Side Part | | | 1 | 40.00 | --- | 1.000 | 40.00 | | |
| | Extra for drops & risers | | | 1 | 20.00 | 0.00 | 1.000 | 20.00 | | |
| | | | | | | | | 95.00 | 1072.44 | 101881.80 |
| | **Interior works** | | | | **Total amount of Finishing works** | | | | | 549547.09 |
| 50 | Mineral Fiber false ceiling Providing and laying of world class mineral acoustic ceiling panels of as per the following specification : Tile of approved make Mineral Acoustic ceiling panels of size 595x595mm-12mm thick suitable for use in arrears up to 40 C and RH 70UR as per manufacturer. Tile have 15 min fire retardant and does not contain asbestos/urea formaldehyde, Technical details of New Modena are- Thermal conductivity Non-disposable, Light Reflection 80% fire resistance Non-resistance Non-disposable. Mineral fiber ceiling panels are placed inside the grid work. ( | | | | | | | | | |
| | (SR 2016-17 - Item No. - 39.12.1, Page No. 324 ) | | | | | | | | | |
| | Left Part Area | Sqmt | | 1 | 51.00 | -- | 1.000 | 51.00 | | |
| | Right Part Area | | | 1 | 60.00 | -- | 1.000 | 60.00 | | |
| | | | | | | | | 111.00 | 2268.00 | 251748.00 |
| 51 | Providing and fixing 100mm wide venitian blinds of window fashion fabric of Taiwan make, with 50mm thick powder coated channel with balance, imported, acrylic self alignable mechanism and equally placed spacers, imported tilting mechanism for easy tilting operation,with nylon imported thread and beadings, 100mm wide imported washable reusable fabric placed with top hanger and bottom with 100mm long bottom plate connected to nylon imported bottom link chain. The rate is inclusive of drilling holes for fixing channels to the wall, fixing threads and beadings and link chains, hard ware fixtures etc., complete as per drawing, specifications | | | | | | | | | |
| | (SR 2016-17 - Item No. - 39.11, Page No. 323 ) | | | | | | | | | |
| | For MLA & front Cabins | Sqmt | | 2 | 6.00 | -- | 2.100 | 25.20 | | |
| | | | | | | | | 26.00 | 1026.00 | 26676.00 |
| 52 | Providing, fabricating and fixing partition frame work consisting of 50mm x 50mm sal wood frame work at spacing not exceeding 600mm c/c fixed to the bottom and ceiling, the partition shall be skinned on both sides using 12mm thick commercial plywood of approved brand termite and water resistance, and top covered with 4mm thick approved quality veneer finished with melamine polish, complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment as per specification. | | | | | | | | | |
| | (SR 2016-17 - Item No. - 39.9 Page No. 232 ) | | | | | | | | | |
| | For First Floor | Sqmt | | | | | | | | |
| | For all cabins | | | 1 | 15.00 | -- | 3.150 | 47.25 | | |

51

| Sl No | Description of work | Unit | No | | Dimensions | | | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | N1 | N2 | L | B | D | | | |
| | Deductions | | | 3 | 0.90 | -- | 2.100 | -5.67 | | |
| | | | | | | | | 41.58 | | |
| | | | | | | | say | 42.00 | 8856.00 | 371952.00 |
| 53 | Providing and fixing Single shutter glass door of 12mm thick frosted toughened glass of approved make (Saint Gobain, Modi float). The door is fixed by using any approved make hardware fitting like patch fitting, pivot, floor machine, locking arrangements and suitable SS door rails with floral glass etching for 1/3 portion of door area etc complete. The rate includes cost of all materials, labour, hire of tools & machineries, as per specification. | | | | | | | | | |
| | (SR 2016-17 - Item No. - 39.7 Page No. 323 ) | | | | | | | | | |
| | **For First Floor** | Sqmt | | | | | | | | |
| | Doors | | | 3 | 0.90 | -- | 2.100 | 5.67 | | |
| | | | | | | | Say | 6.00 | 12096.00 | 72576.00 |
| 54 | Providing and fixing Veneer paneling, over the 50mm x 35mm sal wood frame work at spacing not exceeding 600mm c/c fixed to the wall and top covered out of 4mm thick approved quality Veneer, fixed over 12mm thick ply of approved brand, termite and water resistant, finished with melamine polish, complete including cost and conveyance of all materials, labour for all items of work HOM of equipment etc., complete as per specification. ) | | | | | | | | | |
| | (SR 2016-17 - Item No. - 39.1 Page No. 322 | | | | | | | | | |
| | **For First Floor** | Sqmt | | | | | | | | |
| | For all cabins | | | 1 | 60.00 | -- | 3.000 | 180.00 | | |
| | **Deductions** | | | | | | | | | |
| | Main Door | | | 2 | 1.20 | -- | 2.100 | -5.04 | | |
| | Toilet Door | | | 1 | 1.20 | -- | 2.100 | -2.52 | | |
| | | | | | | | | 172.44 | | |
| | | | | | | | | 172.50 | 5076.00 | 875610.00 |
| 55 | Providing and fixing Free Standing Table for Cabin - without frames consisting of 25 mm thick PLPB table top, 25 mm thick PLPB with edge bomded End table,18 mm thick PLPB with edge bonded Modesty, Wire manager -ABS plastic grommet one number per table Hardware-Minifix assembly and screw leg., as per specifications, drawings and as directed by Engineer in charge. Main Table : 1500 mmW x 750mm D x 750 mm ht (Edgebinding table top) Side Table : 900 mm W x 450mm D X 750 mm ht. | | | | | | | | | |
| | (SR 2016-17 - Item No. - 39.17.1 Page No. 329 ) | | | | | | | | | |
| | **For First Floor** | No | | | | | | | | |
| | For MLA cabin | | | 1 | -- | -- | 1.000 | 1.00 | | |
| | | | | | | | | 1.00 | 14472.00 | 14472.00 |
| 56 | Providing and fixing Free Standing Table for Cabin- without frames consisting of 25 mm thick PLPB table top, 25 mm thick PLPB with edge bonded End table,18 mm thick PLPB with edge bonded Modesty, Wire manager - ABS plastic grommet one number per table Hardware-Minifix assembly and screw leg., as per specifications, drawings and as directed by Engineer in charge. 1500 mmW x 540mm D x 750 mm ht (Main table with Post formed table top) | | | | | | | | | |
| | (SR 2016-17 - Item No. - 39.18.4 Page No. 330 ) | | | | | | | | | |
| | **For First Floor** | No | | | | | | | | |
| | For EE, AEE cabins | | | 3 | -- | -- | 3.000 | 3.00 | | |
| | | | | | | | | 3.00 | 9126.00 | 27378.00 |
| 57 | Providing and fixing STRAIGHT WORKSTATION consisting of back to back unit made out of 75 mm thick MS CRCA powder coated,tile based system for main sprine, Separator 25 mm tghick PLPB - BSL wooden separator for return spine,Top tile finish 8 mm thick MDF covered with Fabric of approved colour and one writing board (600 mm W) and one soft board (600 mmw) per workstation,Bottom tile finish 9 mm thick Laminate tile of approved colour, Raceway- one middle raceway (600mm W) below table top per workstation and continous raceway at the skirting level, Wire manager- ABS plastic grommet one number per table,Table top - 25 mm thick PLPB with straight table top Hardware_ MS powder coated corner bkt,cantilever bkt,separator hook on bkt, L bkt and Table joint plate., as per specifications, drawings and as directed by Engineer in charge. Non Sharing work station C) Size : 1200 mmW x 600mm D x 1200 mm ht (Non Sharing work station with Edge Binding table top, Single unit): | | | | | | | | | |
| | (SR 2016-17 - Item No. - 39.14.3 Page No. 328 ) | | | | | | | | | |
| | **For First Floor** | No | | | | | | | | |
| | For Work Stn | | | 4 | -- | -- | 4.000 | 4.00 | | |
| | | | | | | | | 4.00 | 14310.00 | 57240.00 |

50

| Sl No | Description of work | Unit | No | | Dimensions | | | Quantity | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | N1 | N2 | L | B | D | | in Rs. | in Rs. |
| 58 | KSRB 7.14 : Providing, fabricating, assembling and fixing in position aluminium partitions using sections in combination of plain, single grove and double grove as per requirements for the frames of overall size 101.6mm x 44.45mm, 3.18mm.thick having section weight, plain sections 2.40kg/m single grove section 2.541kg/m. and double grove section 2.683 kg/m and bottom bottom member 114.3 mm x 44.45 mm 3.18 mm thick and 2.6 46 kg/m; aluminium louvres of size 77.6mmx27.6mm 1.7mm. thick section weight 0.483kg/m; bottom portions provided with 12mm. thick pre laminated sheet both side of approved colour lamination exterior grade; aluminium sections of mat finish or glossy finish using section, spacing of vertical member shall not exceed 0.6 m. c to c; sections are cut to the required lengths, joints mitered and corners grinded subdividing frames tennoned and riveted to the frames, the assembled frame should be stiffened with corner angles stripped and fixed with screws, rawl plugs and teak wood gutties to R.C.C.columns or masonry on sides, R.C.C. lintels or beams at top and floor at bottom, including cutting chistling and making good with cement mortar to match the surface, providing and fixing bottom panel filled with the materials to a height of 0.9m. from floor level; and 5.5mm. thick plain glass for middle portion viz., 0.9m. to 2.13 m. and top panel with lower sections, the glass and panels fitted with glazing clips of 19mmx17.3mm. with thickness of 0.9mm. weight 0.124kg/m; aluminium sections pre-treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherence of mortars or any other sticky materials; vertical members embedded in the flooring by making suitable size holes and fixing with cement mortar, with necessary opening for fixing of doors of standard size (excluding cost of door opening) All the frame should be throughly cleaned free from rust, scale or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. | | | | | | | | | |
| | (SR 2016-17 - Item No. -7.14.2 Page No. 35) | | | | | | | | | |
| | **For Ground Floor** | Sqmt | | | | | | | | |
| | For Full ht Up to slab bottom | | | 1 | 10.00 | -- | 3.000 | **30.00** | | |
| | For Half ht Up to slab bottom from 1.8Mtr Wall | | | 3 | 2.70 | -- | 1.200 | **9.72** | | |
| | **Deductions** | | | | | | | | | |
| | Cabin Doors | | | 4 | 0.90 | -- | 2.100 | **-7.56** | | |
| | | | | | | | | **32.16** | | |
| | | | | | | | | 32.20 | **5109.48** | **164525.26** |
| 59 | KSRB 7.17 : Providing, fabricating, assembling and fixing in position aluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505kg/m, top section 47.62x44.45mm thickness 3.00mm, section weight 1.426kg/m bottom section 114.3x44.45 thickness 3.18mm, section weight 2.646kg/m, door central section 49.91x44.45mm thickness 3.00mm, section weight 1.495 kg/m glazing clips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m; aluminium sections cut to length joint metred corners grinded, the shutters pivoted opening arrangement with heavy duty aluminium alloy automatic door closures floor mounted, providing and fixing standard approved accessories, such as aluminium handle for full width or length, tower bolts, lock, pivots: P.V.C. or rubber gasket with 5.5m. thick plain glass for top and bottom panel; aluminium sections treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherance of mortars or any other sticky materials; the assembled frame fitted with the corner angles, strips and fitted with screws, rawl plugs or teakwood gutties to R.C.C. columns or masonry on sides. beams and flooring in bottom. including cutting, chistling and making good with cement mortar to match the surface; all the frames throughly cleaned free from rust, scale, or dirt including cost of materials, fixtures,. -do- using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality. | | | | | | | | | |
| | (SR 2016-17 - Item No. -7.17.2 Page No. 36 &37 ) | | | | | | | | | |
| | **For Ground Floor** | Sqmt | | | | | | | | |
| | Cabin Doors | | | 4 | 0.90 | -- | 2.100 | **7.56** | | |
| | | | | | | | | **7.60** | **6814.80** | **51792.48** |
| 60 | Providing and fixing EXTRUDED POLYSTYRENE (XPS) thermal insulating boards for external wall insulation including necessary fasteners etc., complete with all lead and lift, transportation charges, loading unloading charges ,all taxes, cost of all materials, labour, HOM of machinery etc., complete do - Extruded Polystyrene (XPS) thermal insulating boards 25mm thick | | | | | | | | | |
| | (SR 2016-17 - Item No. -41.3.1 Page No. 368 ) | | | | | | | | | |
| | **First Floor** | Sqmt | | | | | | | | |
| | External Wall | | | 1 | 16.00 | -- | 3.300 | **52.80** | | |
| | | | | | | | | **53.00** | **611.28** | **32397.84** |
| 61 | Providing and fixing polyurethane foam (PUF) slab with PU slab density 36+/-2 kg/m³ insulation for over deck covered with two layers of 40mm thick cement concrete screed with mix proportion 1:1.5:3 (M20grade) using 12.50mm nominal size aggregates and top layer of 10mm thick plaster with cement mortar 1:3 finished with floating coat of neat cement, including necessary polymerized plaster reinforced with glass fibre mesh for PUF slab, epoxy bases bonding adhesive etc., complete with all lead and lift, transportation charges, loading unloading charges, all taxes, cost of all materials, labour, HOM of machinery etc., complete Polyurethane foam (PUF) slab 40mm thick | | | | | | | | | |

| Sl No | Description of work | Unit | No | | Dimensions | | | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | N1 | N2 | L | B | D | | | |
| | (SR 2016-17 - Item No. -41.8.1 Page No. 369 ) | | | | | | | | | |
| | **First Floor** | Sqmt | | | | | | | | |
| | For Roof Area | | | 1 | 16.00 | -- | 8.000 | 128.00 | | |
| | | | | | | | | 128.00 | 1797.12 | 230031.36 |
| 62 | Providing and fixing in position collapsible steel shutters with single or double leaf with vertical channel 20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6 mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stoppers, handles on both sides with 7.5cms openings at 10 cms. c to c applying a priming coat of red lead paint. cost of materials, labour, HOM of machinery complete as per specifications. size of gate 2.4mx1.4m | | | | | | | | | |
| | (SR 2016-17 - Item No. -7.1 Page No. 31) | | | | | | | | | |
| | **First Floor** | Sqmt | | | | | | | | |
| | Main Enterance | | | 1 | 1.80 | -- | 2.100 | 3.78 | | |
| | | | | | | | Say | 4.00 | 4361.04 | 17444.16 |
| 63 | Providing,fabricating and fixing of stick type structural glazing using alluminium extrusions of 63.5mmx58.00mmx2.25mm of 1.73 kgs/mtr for vertical and horizantal members and 63.5mmx38.1x1.33mm of 0.759kg/mtr, as outer franme with electro anodized paint coated block finishing,using 6mm thick imported glass reflective hard coated ocean blue raw glass with allneccessary accssories like ultra glass silicon sealent of space tape,masking tape ,galvanized anchaor bolt, machine screws,6mm thick M.S.angle 50mmx150mmx6mm M.S.galvanized L Brackets, structural sealent setting clocks, fasteners,wall connection etc., complete. | | | | | | | | | |
| | (P.No.37, I.No.7.20 of KPWD S.R 2016-17) | | | | | | | | | |
| | First Floor Front Portion | Sqmt | | 1.00 | 6.10 | -- | 2.100 | 12.81 | | |
| | First Floor Front Portion | Sqmt | | 1.00 | 7.50 | -- | 2.100 | 15.75 | | |
| | | | | | | | | 28.56 | | |
| | | | | | | | Say | 29.00 | 6346.08 | 184036.32 |
| 64 | Providing and fixing of Aluminium composite panel of approved make and colour for wall cladding for straight Brick/Rcc/stone walls & coloumns/beams with necessary aluminium frame works at required level made out of 50x25x3mm C section or equalent. The panel should consist of 2.5 mm thermoplastic core of antitoxic LDPE sandwiched between 0.25 skins thick aluminium sheet making a total panel thickness of 3mm. The surfaces will be finished with PVDF based coating on topsides and service coating on reverse sides would be in polyester paint. The system shall be fixed using GI brackets, aluminium L cleats and stainless steel bolts and nuts complete with spring washer and cap nuts and all other necessary accessories, sealing shall be done using weather sealant of Dow Corning 789 with necessary rods etc., complete. | | | | | | | | | |
| | (P.No.37, I.No.7.18 of KPWD S.R 2016-17) | | | | | | | | | |
| | From GF-FF - Front Wall | Sqmt | | 1.00 | 16.50 | -- | 2.000 | 33.00 | | |
| | Front Pillers | Sqmt | | 2.00 | 7.30 | -- | 0.900 | 13.14 | | |
| | Side walls | Sqmt | | 2.00 | 6.50 | -- | 7.300 | 94.90 | | |
| | | | | | | | | 141.04 | | |
| | | | | | | | | 141.10 | 4861.08 | 685898.39 |
| | | | | **Total amount of Interior works** | | | | | | 3063777.80 |
| | PLUMBING & SANITARY WORKS | | | | | | | | | |
| | INTERNAL SANITARY FIXTURES | | | | | | | | | |
| 65 | KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type ( Pedestal type, P-trap ) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern ( all are approved make ) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 | | | | | | | | | |
| | **NON SR** | Each | | 1 | 4.00 | -- | -- | 4.00 | 15000.00 | 60,000.00 |
| 66 | KSRB 11-4 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, (approved make ) cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 | | | | | | | | | |
| | (PW,P&IPTD S ZONE 2016-17 - I No. - 12.2, Page No. 77 ) | Each | | 1 | 1.00 | -- | -- | 1.00 | 4682.88 | 4,682.88 |
| 67 | KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 | | | | | | | | | |
| | (P.No.80, I.No.12.23 of PW, P& IWTD SR 2016-17) | Nos | | 1 | 4 | | | 4.00 | 4196.88 | 16787.52 |

| Sl No | Description of work | Unit | No | | Dimensions | | | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | N1 | N2 | L | B | D | | | |
| 68 | Providing pedestal for wash basin of approved 1st quality and make conforming to ISI Specifications and fixing for low down cistern as directed .Rate includes cost of materials and conveyance to work spot. | | | | | | | | | |
| | (P.No.87, I.No.12.108 of PW, P& IWTD SR | Nos | | 1 | 4 | | | 4.00 | 945.00 | 3780.00 |
| 1 | KSRB 11-8.1 : Providing and fixing white vitreous china clay, wall corner type, lipped front urinal basin of size 340x410x265mm with 5 litres P.V.C automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour | | | | | | | | | |
| | (P.No.88, I.No.12.110 of PW, P& IWTD SR 2016-17) | Each | | 1 | 2 | | | 2.00 | 3,204.36 | 6408.72 |
| 1 | Providing and fixing white viterous china clay, wall corner type, lipped front waterless urinal basin of size 328x319x598mm C.I. / M.S. brackets,standard flush pipe complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. | | | | | | | | | |
| | (P.No.88, I.No.12.115 of PW, P& IWTD SR 2016-17) | Each | 2 | | | | | 2.00 | 33,569.64 | 67139.28 |
| | Market Rate | | | | | | | | | |
| 2 | Providing fixing C.P brass towel rail 600mm length, 20mm dia with C.P brackets,fixed to wooden cleats with C.P brass screws including cost of materials,labour complete as per specifications.<br>Make: Jaquar, Range-continental , Model No-1121 | | | | | | | | | |
| | (P.No.83, I.No.12.46 of PW, P& IWTD SR 2016-17) | Unit | | 1 | 5 | | | 5.00 | 766.80 | 3834.00 |
| | | | | | | | | | | |
| 3 | KSRB 11-15.1 : Providing and fixing 600x450mm bevellead edge mirror of superior glass with 6mm hard board backing and fixed to wooden cleats with C.P screws, washers, including cost of materials, labour complete as per specifications. | | | | | | | | | |
| | (P.No.82, I.No.12.39 of PW, P& IWTD SR 2016-17) | Unit | | 1 | 5 | | | 5.00 | 1351.08 | 6755.40 |
| | | | | | | | | | | |
| 4 | Supply, fixing, testing and commissioning of 20 mm CP brass bib cock with wall flange and suitable length extension pipe etc,. complete as per specification. | | | | | | | | | |
| | (P.No.91, I.No.13.24 of PW, P& IWTD SR 2016-17) | Nos | | 1 | 5 | | | 5.00 | 262.44 | 1312.20 |
| | | | | | | | | | | |
| 5 | Providing and fixing in position brass stop cock of approved quality 20 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. etc,. ,. complete as per specification. | | | | | | | | | |
| | (P.No.91, I.No.13.27 of PW, P& IWTD SR 2016-17) | Nos | | 1 | 5 | | | 5.00 | 172.80 | 864.00 |
| 6 | Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 10cms x 7.5cms | | | | | | | | | |
| | (P.No.88, I.No.12.113.1 of PW, P& IWTD SR 2016-17) | Nos | | 1 | 5 | | | 5.00 | 270.00 | 1350.00 |
| 7 | KSRB 2-2.1: Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m.after breaking of clods complete as per specification. Specification. No.KBS 2.1(a)/2.3.5 | | | | | | | | | |
| | (P.No.5, I.No.2.3 of PW, P& IWTD SR 2016-17) | | | | | | | | | |
| | Qty Include All Plumbing Related Works | Cum | | 1 | 50 | 0.6 | 0.600 | 18 | 204.12 | 3674.16 |
| 8 | Providing & fixing Chorinated Poly Venyl Chloride **(CPVC)** 20 mm dia pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00m spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and cost of cutting chases and making good the same including testing of joints complete. **(concealed work including cutting chases and good the walls etc.)** | | | | | | | | | |
| | (P.No.96, I.No.13.86.2 of PW, P& IWTD SR 2016-17) | | | | | | | | | |
| a | 20mm dia (-do- with I.No. 13.86.2) | Rmt. | | 5 | 20 | | | 100.00 | 226.80 | 22680.00 |
| | Internal plumbing Qty ( Conceiled in wall ) | | | | | | | | | |
| | | | | | | | | | | |
| 9 | Providing and fixing chorinated poly venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (External work) | | | | | | | | | |
| | (P.No.97, I.No.13.87.2, & 3 of PW, P& IWTD | | | | | | | | | |
| a | 20mm dia | Rmt. | | 1 | 100 | | | 100.00 | 135.00 | 13500.00 |
| | | | | | | | | | | |

| Sl No | Description of work | Unit | No | | Dimensions | | | Quantity | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | N1 | N2 | L | B | D | | in Rs. | in Rs. |
| b | 25mm dia (-do- with I.No. 13.87.3) | Rmt. | | 1 | 150 | | | 150.00 | 178.20 | 26730.00 |
| | | | | | | | | | | |
| c | 32mm dia (-do- with I.No. 13.87.4) | Rmt. | | 1 | 100 | | | 100.00 | 232.20 | 23220.00 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 10 | KSRB13-6.3-7: Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 32**mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 | | | | | | | | | |
| | (P.No.92, I.No.13.35 of PW, P& IWTD SR 2016-17) | | | | | | | | | |
| a | -do'- with 32 mm dia (Screwed ends) | Nos. | | 1 | 2 | | | 2.00 | 1050.84 | 2101.68 |
| | | | | | | | | | | |
| 11 | KSRB13-6.4-2 : Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS | | | | | | | | | |
| a | 20mm dia nominal | Nos. | | 1 | 2 | | | 2.00 | 442.80 | 885.60 |
| | | | | | | | | | | |
| b | 25mm dia nominal | Nos. | | 1 | 2 | | | 2.00 | 654.48 | 1308.96 |
| | (P.No.92, I.No.13.41 & 42 of PW, P& IWTD SR 2016-17) | | | | | | | | | |
| | | | | | | | | | | |
| 12 | Supply, installation, testing and commissioning electrically driven SUBMERSIIBLE pump of capacity 2HP / 1.5 KW with 12 stages Single phase, 50Hz, 400/440V AC supply with necessary non-return valves, butterfly valves,,Pressure gauge & Pressure switch with inter-connecting wiring etc., complete as per standard design. (For pumping the domestic water from the underground sump to the overhead water tank). | | | | | | | | | |
| | (P.No.XXXXIV, I.No.12 of PW, P& IWTD | | | | | | | | | |
| | Make/Brand :ATALANTA,SUGUNA, | NOS | | 1 | 1 | | | 1.00 | 15500.00 | 15500.00 |
| | | | | | | | | | | |
| 13 | KSRB13-6.4-1 : Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.<br>Specification No.KBS 25 mm dia | | | | | | | | | |
| | (P.No.92, I.No.13.42 of PW, P& IWTD SR | Nos. | | 1 | 1 | | | 1.00 | 654.48 | 654.48 |
| | | | | | | | | | | |
| | **OVER HEAD TANK ACCESSORIE** | | | | | | | | | |
| 14 | Supplying **water storage tanks made of virgin polymer (LLDPE)** with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I./ISO/SSI specifications. | | | | | | | | | |
| | (P.No.265, I.No.37.58 of PW, P& IWTD SR 2016-17) | litres | | 1 | 2000 | | | 2000.00 | 6.48 | 12960.00 |
| | | | | | | | | | | |
| | **INTERNAL SANITARY SYSTEM** | | | | | | | | | |
| | SOIL VENT AND RAIN WATER PIPES | | | | | | | | | |
| 15 | Providing and fixing to wall, ceiling and floor unplasticised 110 mm dia PVC Pipes of 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM of acquirements and testing complete as per specifications | | | | | | | | | |
| | (P.No.88, I.No.12.116.1 of PW, P&IWTD SR 2016-17) | | | | | | | | | |
| a | 110 mm dia From Kitchen to IC | Rmt | | 1 | 20 | | | 20.00 | | |
| b | 110 mm dia Rain water pipes | | | 4 | 7 | | | 28.00 | | |
| | | | | | | | | **48.00** | 444.96 | 21358.08 |
| | | | | | | | | | | |
| 16 | Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials,with 110mm outer dia | | | | | | | | | |
| | (P.No.93, I.No.13.70.3 of PW, P&IWTD SR 2016-17) | | | | | | | | | |
| b | 110 mm dia for sewer line | Rmt | | 1 | 50 | | | 50 | 326.16 | 16308.00 |
| | | | | | | | | | | |
| 17 | KSRB 12-8.1 : Constructing brick masonry inspection chamber 600 x 600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 600 x 600mm (PWD SR2011-12 P.No.74/11.50.1) | | | | | | | | | |
| | (P.No.73, I.No. 11.50.1 of PW, P& IWTD SR 2016-17) | each | | | | | | | | |

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| Sl No | Description of work | Unit | No | | Dimensions | | | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | N1 | N2 | L | B | D | | | |
| | IC for Sewage | | | 1 | 4 | | | 4 | 9670.32 | 38681.28 |
| | **Total amount of Plumbing & Sanitary works** | | | | | | | | | **372476.24** |
| | | | | | | | | | | |
| | ABSTRACT | | | | | | | | | |
| 1 | Total amount of Dismanteling works | | | | | | | | | 44,660.16 |
| 2 | Total amount of Earth works | | | | | | | | | 10,614.24 |
| 3 | Total amount of PCC & RCC works | | | | | | | | | 547,117.20 |
| 4 | Total amount of Shuttering works | | | | | | | | | 216,208.22 |
| 5 | Total amount of Reinforcement works | | | | | | | | | 500,826.67 |
| 6 | Total amount of Masonary works | | | | | | | | | 629,339.54 |
| 7 | Total amount of Plastering works | | | | | | | | | 347,026.57 |
| 8 | Total amount of Joinery works | | | | | | | | | 380,204.94 |
| 9 | Total amount of Flooring works | | | | | | | | | 1,436,705.92 |
| 10 | Total amount of Finishing works | | | | | | | | | 549,547.09 |
| 11 | Total amount of Interior works | | | | | | | | | 3,063,777.80 |
| 12 | Total amount of Plumbing & Sanitary works | | | | - | | | | | 372,476.24 |
| | | **TOTAL AMOUNT** | | | | | | | | 8,098,504.61 |
| | | **Rounding off** | | | | | | | | **0.42** |
| | | | | | | | | | | **8,098,505.03** |

CERTIFICATE

| | |
|---|---|
| 1 | Certified that this estimate is prepared based on KPWD SR of Bangalore Circle for the year 2016-17 & ESR 2014-15 for most Economical & safe way of executing the work as per the design and drawings, Quantities & Estimates submitted by the Architect |
| 2 | Certificate that, the work spot has been inspected by me & prepared the estimate in most economical way of Excuting the work |
| 3 | The above work is included in |

| Asst. Engineer | Asst Executive Engineer | Executive Engineer |
|---|---|---|
| BBMP | BBMP | BBMP |